

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|---|------------------|---------|------------------|
| S1 | 7 | ((("0595592") or ("5999561") or ("6686879") or ("5345239")).PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/10/19 11:42 |
| S2 | 1 | S1 and (pulse same oscillat\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/10/19 11:42 |
| S3 | 1 | S1 and (pulse same oscillat\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2004/10/19 12:29 |
| S4 | 1 | ("3614630").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/10/19 12:29 |
| S5 | 0 | ("L4andsampl\$4").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/10/19 12:29 |
| S6 | 1 | S4 and sampl\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/10/19 12:29 |
| S7 | 99 | ("6687493" or "6694128" or "6704549" or "6704558" or "5490176" or "5910053" or "6078630" or "660091" lhor "5179731" or "5589793" or "4510467" or "4772853" or "4972436" or "5012245" or "5422909" or "5440311" or "5926513" or "5995030" or "6047026" or "6049573" or "6076015" or "6144331" or "6018553" or "6317589" or "5058107" or "5757858" or "6531979" or "6018262" or "4761798" or "5982315" or "6459721" or "6151354" or "6169733" or "6363262" or "6697603" or "5678226" or "5760632" or "6160280" or "5481570" or "5745846" or "6031217" or "4132952" or "5260973" or "6307894" or "6091289" or "6437639" or "20020037706").pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/10/18 10:40 |

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| S8 | 0 | (("6687493" or "6694128" or "6704549" or "6704558" or "5490176" or "5910053" or "6078630" or "660091" lhor "5179731" or "5589793" or "4510467" or "4772853" or "4972436" or "5012245" or "5422909" or "5440311" or "5926513" or "5995030" or "6047026" or "6049573" or "6076015" or "6144331" or "6018553" or "6317589" or "5058107" or "5757858" or "6531979" or "6018262" or "4761798" or "5982315" or "6459721" or "6151354" or "6169733" or "6363262" or "6697603" or "5678226" or "5760632" or "6160280" or "5481570" or "5745846" or "6031217" or "4132952" or "5260973" or "6307894" or "6091289" or "6437639" or "20020037706").pn.) and (phase near3 shift\$4 near4 pulses) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/10/18 10:42 |
| S9 | 3166 | phase near3 shift\$4 near4 pulses | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/10/18 10:42 |
| S10 | 0 | (("6687493" or "6694128" or "6704549" or "6704558" or "5490176" or "5910053" or "6078630" or "660091" lhor "5179731" or "5589793" or "4510467" or "4772853" or "4972436" or "5012245" or "5422909" or "5440311" or "5926513" or "5995030" or "6047026" or "6049573" or "6076015" or "6144331" or "6018553" or "6317589" or "5058107" or "5757858" or "6531979" or "6018262" or "4761798" or "5982315" or "6459721" or "6151354" or "6169733" or "6363262" or "6697603" or "5678226" or "5760632" or "6160280" or "5481570" or "5745846" or "6031217" or "4132952" or "5260973" or "6307894" or "6091289" or "6437639" or "20020037706").pn.) and ((phase near3 shift\$4) near4 pulses) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/10/18 10:42 |

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| S11 | 1 | (("6687493" or "6694128" or "6704549" or "6704558" or "5490176" or "5910053" or "6078630" or "660091" lhor "5179731" or "5589793" or "4510467" or "4772853" or "4972436" or "5012245" or "5422909" or "5440311" or "5926513" or "5995030" or "6047026" or "6049573" or "6076015" or "6144331" or "6018553" or "6317589" or "5058107" or "5757858" or "6531979" or "6018262" or "4761798" or "5982315" or "6459721" or "6151354" or "6169733" or "6363262" or "6697603" or "5678226" or "5760632" or "6160280" or "5481570" or "5745846" or "6031217" or "4132952" or "5260973" or "6307894" or "6091289" or "6437639" or "20020037706").pn.) and (pulses with (phase near2 shift)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/10/18 10:43 |
| S12 | 1 | (("6687493" or "6694128" or "6704549" or "6704558" or "5490176" or "5910053" or "6078630" or "660091" lhor "5179731" or "5589793" or "4510467" or "4772853" or "4972436" or "5012245" or "5422909" or "5440311" or "5926513" or "5995030" or "6047026" or "6049573" or "6076015" or "6144331" or "6018553" or "6317589" or "5058107" or "5757858" or "6531979" or "6018262" or "4761798" or "5982315" or "6459721" or "6151354" or "6169733" or "6363262" or "6697603" or "5678226" or "5760632" or "6160280" or "5481570" or "5745846" or "6031217" or "4132952" or "5260973" or "6307894" or "6091289" or "6437639" or "20020037706").pn.) and (pulses with (phase near2 shift\$4)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/10/18 10:43 |
| S13 | 300 | (pulses with (phase near2 shift\$4)) and sampl\$4 and (shift\$4 with oscillator) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/10/18 10:44 |

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| S14 | 85 | (pulses with (phase near2 shift\$4)) and sampl\$4 and ((shift\$4 same oscillator) same (shift\$4 with voltage)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/10/18 10:46 |
| S15 | 18 | (pulses with (phase near2 shift\$4)) and sampl\$4 and ((shift\$4 same oscillator) same (threshold)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/10/18 10:50 |
| S16 | 16349 | generat\$5 with pulse with oscillator | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/10/18 10:50 |
| S17 | 21338 | generat\$5 with pulse with oscillator | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2004/10/18 10:50 |
| S18 | 15673 | (generat\$5 near3 pulse) with oscillator | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2004/10/18 10:51 |
| S19 | 1171 | ((generat\$5 near3 pulse) with oscillator) same (sampl\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2004/10/18 10:51 |
| S20 | 261 | ((generat\$5 near3 pulse) with oscillator) same (sampl\$4) and (shift\$4 near3 phase) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2004/10/18 10:52 |
| S21 | 22 | ((generat\$5 near3 pulse) with oscillator) same (sampl\$4) and (shift\$4 near3 phase) and (oscillator same threshold) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2004/10/18 11:10 |
| S22 | 111 | ((generat\$4 near2 pulses) same oscillator) same sampl\$4) and (shift\$4 near2 phase) and (oscillator with (threshold or limit or value)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2004/10/18 14:01 |
| S23 | 85 | ((generat\$4 near2 pulses) same oscillator) same sampl\$4) and (shift\$4 near2 phase) and ((generat\$4 near2 pulse) with (threshold or limit or value)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2004/10/18 13:18 |

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| S24 | 0 | (("6687493" or "6694128" or "6704549" or "6704558" or "5490176" or "5910053" or "6078630" or "660091" lhor "5179731" or "5589793" or "4510467" or "4772853" or "4972436" or "5012245" or "5422909" or "5440311" or "5926513" or "5995030" or "6047026" or "6049573" or "6076015" or "6144331" or "6018553" or "6317589" or "5058107" or "5757858" or "6531979" or "6018262" or "4761798" or "5982315" or "6459721" or "6151354" or "6169733" or "6363262" or "6697603" or "5678226" or "5760632" or "6160280" or "5481570" or "5745846" or "6031217" or "4132952" or "5260973" or "6307894" or "6091289" or "6437639" or "20020037706").pn.) and (((generat\$4 near2 pulses) same oscillator) same sampl\$4) and (shift\$4 near2 phase) and ((generat\$4 near2 pulse) with (threshold or limit or value)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2004/10/18 13:19 |
| S25 | 0 | ((creat\$4 near2 pulses) same oscillator) same sampl\$4) and (shift\$4 near2 phase) and ((generat\$4 near2 pulse) with (threshold or limit or value)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2004/10/18 13:19 |
| S26 | 15 | ((produc\$4 near2 pulses) same oscillator) same sampl\$4) and (shift\$4 near2 phase) and ((generat\$4 near2 pulse) with (threshold or limit or value)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2004/10/18 13:21 |
| S27 | 134 | ((generat\$4 near2 pulses) same oscillator) same sampl\$4) and (shift\$4 near2 phase) and (oscillat\$4 with (threshold or limit or value)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2004/10/18 14:02 |
| S30 | 1 | ("3614630").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/22 18:30 |
| S31 | 1 | S30 and sampl\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2004/12/22 18:36 |

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| S32 | 43 | ((("4441080") or ("4873492") or ("5697074") or ("5784689") or ("6335656") or ("6690232") or ("5636140") or ("6366622") or ("6600795") or ("4250458") or ("5760629") or ("6084465") or ("6204789") or ("6064054") or ("5218562") or ("5239496") or ("5896304") or ("6005903") or ("5834979") or ("6798351"))).PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/22 19:56 |
| S33 | 1 | S32 and (shift\$4 with phase with pulses) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/22 18:41 |
| S34 | 1 | S32 and (shift\$4 with phase with pulses) and (pulse same oscillator) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/22 18:41 |
| S35 | 1 | S32 and (shift\$4 with phase with pulses) and (pulse same oscillator) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2004/12/22 18:41 |
| S36 | 2 | ("5,982,315").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/22 19:58 |
| S37 | 1 | S36 and sampl\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/22 19:59 |